## Proceedings of the 14th International Conference on Quality and Dependability Sinaia, Romania, September 17th-19th, 2014 ISSN 1842-3566 Pages 78-85

# Nine Decades of Modern Quality: Walter A. Shewhart – A Life Devoted to Quality

# Ioan C. BACIVAROV

EUROQUALROM Laboratory, Faculty of Electronics, Telecommunications and Information Technology, University POLITEHNICA of Bucharest, Romania bacivaro@euroqual.pub.ro

#### Abstract

Walter Shewhart was the pioneer and visionary of modern quality control. 90 years ago, Shewhart introduced the first control chart, which launched statistical process control and quality improvement. This moment is considered as the birthday of the modern quality. This paper analyses some important moments of the scientific activity of this great quality guru, during an exemplary life devoted to quality. Based on extensive documentation activities we can bring to the attention of specialists in quality original photographs and other documents concerning Shewhart.

Keywords: Quality, Modern quality, Quality control, Quality improvement, Walter Shewhart, SPC

### **References:**

- [1] www-groups.dcs.st-and.ac.uk: Walter Andrew Shewhart.
- [2] Lucent Technologies Shewhart page.
- [3] American Society for Quality Shewhart page.
- [4] M. D. Fagen (ed.): "A History of Engineering and Science in the Bell System: The Early Years (1875-1925)", 1975.
- [5] D. J. Wheeler: "Understanding Variation: The Key to Managing Chaos", SPC Press, Inc., 1999.
- [6] D. Bayart: "Walter Andrew Shewhart", in C. C. Heyde and E. Seneta (eds.), Statisticians of the Centuries, Springer Verlag, New York, 2001, pp. 398 401.
- [7] E. W. Deming: "Walter A. Shewhart, 1891-1967", American Statistician 21 (2), April 1967.
- [8] Shewhart, Walter: "Economic control of quality of manufactured product", New York: D. Van Nostrand Company, 1931.
- [9] http://www.statisticool.com/shewhart.htm.
- [10] http://www.bellsystemmemorial.com/westernelectric history.html.
- [11] http://www.sigma-engineering.co.uk/light/shewhartbiog.htm.
- [12] http://www-groups.dcs.st-and.ac.uk/history/Biographies/ Shewhart.html.